

TABLE A.17. EUROPE, 1998 REVISION

EUROPE

A. ESTIMATES

Indicator	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995
Population (thousands)										
Total.....	547 318	575 404	604 947	635 066	656 441	676 390	693 260	706 580	722 206	727 912
Males.....	255 330	270 176	285 567	301 589	312 918	323 102	332 022	338 968	347 683	351 067
Females.....	291 988	305 228	319 380	333 478	343 523	353 288	361 238	367 612	374 523	376 845
Sex ratio (per 100 females).....	87.4	88.5	89.4	90.4	91.1	91.5	91.9	92.2	92.8	93.2
Age distribution:										
Percentage aged 0-4.....	9.2	9.5	9.5	9.0	8.0	7.6	7.2	7.0	6.7	5.7
Percentage aged 5-14.....	17.0	16.0	17.2	17.5	17.3	16.1	15.0	14.3	13.8	13.5
Percentage aged 15-24.....	17.3	16.6	15.2	14.5	15.8	16.4	16.2	15.5	14.4	14.0
Percentage aged 60 or over.....	12.1	12.4	13.1	14.1	15.5	16.4	16.0	16.9	18.2	19.0
Percentage aged 65 or over.....	8.2	8.6	8.8	9.4	10.5	11.4	12.4	11.9	12.7	13.9
Percentage of women aged 15-49.....	51.8	50.9	48.1	46.7	47.7	47.9	47.7	47.9	47.5	48.6
Median age (years).....	29.2	29.7	30.4	30.9	31.7	32.1	32.6	33.5	34.7	36.1
Population density (per sq km).....	24	25	26	28	29	29	30	31	31	32
	1950-1955	1955-1960	1960-1965	1965-1970	1970-1975	1975-1980	1980-1985	1985-1990	1990-1995	
Population change per year (thousands).....	5 617	5 909	6 024	4 275	3 990	3 374	2 664	3 125	1 141	
Births per year (thousands).....	11 740	11 999	11 767	10 923	10 390	10 125	10 054	9 761	8 317	
Deaths per year (thousands).....	5 932	5 933	6 027	6 366	6 704	7 159	7 480	7 534	8 223	
Population growth rate (percentage).....	1.00	1.00	0.97	0.66	0.60	0.49	0.38	0.44	0.16	
Crude birth rate (per 1,000 population).....	20.9	20.3	19.0	16.9	15.6	14.8	14.4	13.7	11.5	
Crude death rate (per 1,000 population).....	10.6	10.1	9.7	9.9	10.1	10.5	10.7	10.5	11.3	
Total fertility rate (per woman).....	2.57	2.59	2.56	2.36	2.14	1.97	1.87	1.83	1.57	
Gross reproduction rate (per woman).....	1.25	1.26	1.24	1.15	1.04	0.96	0.91	0.89	0.76	
Net reproduction rate (per woman).....	1.14	1.17	1.18	1.09	1.00	0.93	0.89	0.87	0.75	
Infant mortality rate (per 1,000 births).....	72	51	37	30	25	22	18	15	12	
Life expectancy at birth (years)										
Males.....	63.5	65.4	66.7	67.0	67.2	67.3	67.9	69.1	68.5	
Females.....	68.6	70.8	72.6	73.6	74.2	75.0	75.7	76.7	76.7	
Both sexes combined.....	66.2	68.3	69.8	70.4	70.8	71.2	71.9	73.0	72.6	

B. MEDIUM-VARIANT PROJECTIONS

	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
Population (thousands)										
Total.....	727 912	728 887	727 431	724 242	719 307	711 909	702 335	690 976	662 541	627 691
Males.....	351 067	351 737	351 215	349 905	347 794	344 427	339 908	334 398	320 511	304 019
Females.....	376 845	377 150	376 217	374 337	371 513	367 482	362 427	356 578	342 029	323 672
Sex ratio (per 100 females).....	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.8	93.7	93.9
Age distribution:										
Percentage aged 0-4.....	5.7	5.1	5.0	5.0	4.8	4.7	4.7	4.7	4.7	4.7
Percentage aged 5-14.....	13.5	12.4	10.9	10.2	10.2	10.2	9.8	9.7	9.7	9.7
Percentage aged 15-24.....	14.0	13.8	13.6	12.6	11.1	10.5	10.5	10.5	10.3	10.3
Percentage aged 60 or over.....	19.0	20.3	20.7	22.0	23.8	26.0	28.1	29.8	32.6	34.7
Percentage aged 65 or over.....	13.9	14.7	15.9	16.2	17.4	19.0	21.0	22.9	25.7	27.6
Percentage in school ages 6-11.....	8.1	7.2	6.3	6.1	6.1	5.9	5.8	5.8	5.8	5.8
Percentage in school ages 12-14.....	4.1	4.1	3.5	3.1	3.1	3.1	3.1	3.0	3.0	3.0
Percentage in school ages 15-17.....	4.1	4.1	4.0	3.3	3.1	3.1	3.1	3.1	3.0	3.0
Percentage in school ages 18-23.....	8.5	8.3	8.3	7.8	6.7	6.3	6.3	6.4	6.2	6.2
Percentage of women aged 15-49.....	48.6	48.7	48.2	46.4	44.2	42.4	40.9	39.5	36.7	36.5
Median age (years).....	36.1	37.8	39.4	40.8	42.1	43.4	44.6	45.8	47.5	47.4
Population density (per sq km).....	32	32	32	32	31	31	31	30	29	27
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population change per year (thousands).....	195	-291	-638	-987	-1 480	-1 915	-2 272	-2 844	-3 485	
Births per year (thousands).....	7 493	7 359	7 336	7 196	6 912	6 657	6 503	6 283	5 963	
Deaths per year (thousands).....	8 248	8 406	8 509	8 641	8 769	8 877	9 040	9 392	9 712	
Net migration per year (thousands).....	950	757	535	458	377	305	265	265	265	
Population growth rate (percentage).....	0.03	-0.04	-0.09	-0.14	-0.21	-0.27	-0.33	-0.42	-0.54	
Crude birth rate (per 1,000 population).....	10.3	10.1	10.1	10.0	9.7	9.4	9.3	9.3	9.2	
Crude death rate (per 1,000 population).....	11.3	11.5	11.7	12.0	12.3	12.6	13.0	13.9	15.0	
Net migration rate (per 1,000 population).....	1.3	1.0	0.7	0.6	0.5	0.4	0.4	0.4	0.4	
Total fertility rate (per woman).....	1.42	1.42	1.47	1.54	1.61	1.67	1.72	1.75	1.77	
Gross reproduction rate (per woman).....	0.69	0.69	0.72	0.75	0.78	0.81	0.84	0.85	0.86	
Net reproduction rate (per woman).....	0.68	0.68	0.70	0.74	0.77	0.80	0.83	0.84	0.85	
Infant mortality rate (per 1,000 births).....	12	11	10	10	9	8	8	7	6	
Mortality under age 5 (per 1,000 births).....	14	13	12	11	10	9	9	8	7	
Life expectancy at birth (years)										
Males.....	69.2	70.1	71.3	72.4	73.3	74.1	74.9	75.8	76.9	
Females.....	77.4	78.1	78.8	79.5	80.2	80.8	81.4	82.2	83.2	
Both sexes combined.....	73.3	74.1	75.0	75.9	76.7	77.5	78.1	79.0	80.1	

Source: United Nations Population Division, *World Population Prospects: The 1998 Revision*.

TABLE A.17 (continued)

EUROPE

C. HIGH-VARIANT PROJECTIONS

	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
Population (thousands)										
Total.....	727 912	731 714	736 918	741 460	744 534	745 848	746 730	747 670	748 169	745 949
Males.....	351 067	353 185	356 077	358 732	360 728	361 827	362 666	363 459	364 396	364 599
Females.....	376 845	378 528	380 840	382 728	383 806	384 022	384 064	384 211	383 773	381 350
Age distribution:										
Percentage aged 0-4.....	5.7	5.5	5.9	5.9	5.9	5.8	5.8	6.0	6.1	6.2
Percentage aged 5-14.....	13.5	12.3	11.1	11.3	11.8	11.8	11.6	11.6	12.1	12.4
Percentage aged 15-24.....	14.0	13.7	13.5	12.3	11.1	11.3	11.8	11.8	11.7	12.2
Percentage aged 60 or over.....	19.0	20.2	20.4	21.5	23.0	24.8	26.4	27.6	28.8	29.2
Percentage aged 65 or over.....	13.9	14.7	15.7	15.8	16.8	18.2	19.8	21.2	22.7	23.2
Percentage of women aged 15-49.....	48.6	48.5	47.6	45.4	43.2	41.8	40.8	39.9	38.3	39.6
Median age (years).....	36.1	37.6	38.9	39.9	40.9	41.7	42.3	42.9	42.3	41.3
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population change per year (thousands)										
Population growth rate (percentage).....	760	1 041	908	615	263	176	188	50	- 222	
Crude birth rate (per 1,000 population).....	0.10	0.14	0.12	0.08	0.04	0.02	0.03	0.01	- 0.03	
Crude death rate (per 1,000 population).....	11.1	11.9	12.0	11.9	11.6	11.8	12.0	12.3	12.4	
Net migration rate (per 1,000 population).....	11.3	11.5	11.5	11.7	11.8	11.9	12.1	12.6	13.1	
Total fertility rate (per woman).....	1.3	1.0	0.7	0.6	0.5	0.4	0.4	0.4	0.4	
Gross reproduction rate (per woman).....	1.53	1.68	1.78	1.88	1.99	2.07	2.12	2.16	2.17	
Net reproduction rate (per woman).....	0.74	0.82	0.87	0.92	0.97	1.01	1.03	1.05	1.06	
	0.73	0.80	0.85	0.90	0.95	0.99	1.02	1.04	1.05	

D. LOW-VARIANT PROJECTIONS

	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
Population (thousands)										
Total.....	727 912	727 358	722 580	715 438	705 509	691 970	675 010	655 025	606 842	549 852
Males.....	351 067	350 952	348 725	345 388	340 716	334 198	325 891	315 959	291 949	264 120
Females.....	376 845	376 406	373 855	370 050	364 794	357 772	349 118	339 067	314 893	285 732
Age distribution:										
Percentage aged 0-4.....	5.7	4.9	4.6	4.5	4.3	4.1	3.8	3.6	3.4	3.2
Percentage aged 5-14.....	13.5	12.4	10.7	9.7	9.3	9.2	8.7	8.2	7.6	7.3
Percentage aged 15-24.....	14.0	13.8	13.7	12.7	11.1	10.1	9.8	9.7	9.0	8.4
Percentage aged 60 or over.....	19.0	20.3	20.8	22.3	24.3	26.7	29.2	31.5	35.5	39.6
Percentage aged 65 or over.....	13.9	14.8	16.0	16.4	17.7	19.6	21.9	24.2	28.0	31.5
Percentage of women aged 15-49.....	48.6	48.8	48.5	47.0	44.8	42.9	41.2	39.6	35.6	33.9
Median age (years).....	36.1	37.8	39.6	41.2	42.7	44.3	46.0	47.6	50.8	52.6
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population change per year (thousands)										
Population growth rate (percentage).....	-111	-956	- 1 428	- 1 986	- 2 708	- 3 392	- 3 997	- 4 818	- 5 699	
Crude birth rate (per 1,000 population).....	-0.02	-0.13	-0.20	-0.28	-0.39	-0.50	-0.60	-0.76	-0.99	
Crude death rate (per 1,000 population).....	9.9	9.2	9.1	8.7	8.1	7.6	7.2	6.8	6.4	
Net migration rate (per 1,000 population).....	11.3	11.6	11.8	12.1	12.5	13.0	13.6	14.8	16.7	
Total fertility rate (per woman).....	1.3	1.0	0.7	0.6	0.5	0.4	0.4	0.4	0.5	
Gross reproduction rate (per woman).....	1.36	1.29	1.31	1.33	1.34	1.34	1.34	1.34	1.35	
Net reproduction rate (per woman).....	0.66	0.63	0.64	0.65	0.65	0.65	0.65	0.65	0.66	
	0.65	0.62	0.63	0.64	0.64	0.64	0.64	0.65	0.65	

E. CONSTANT-VARIANT PROJECTIONS

	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
Population (thousands)										
Total.....	727 912	732 647	734 946	734 282	730 261	722 905	713 259	701 568	670 700	631 047
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population growth rate (percentage)										
Population growth rate (percentage).....	0.13	0.06	- 0.02	- 0.11	- 0.20	- 0.27	- 0.33	- 0.45	- 0.61	
Crude birth rate (per 1,000 population).....	11.3	11.1	10.7	10.1	9.5	9.3	9.1	8.8	8.4	
Crude death rate (per 1,000 population).....	11.3	11.5	11.6	11.8	12.1	12.4	12.8	13.7	14.9	

Source: United Nations Population Division, *World Population Prospects: The 1998 Revision*.

TABLE A.18. EUROPE, REPLACEMENT MIGRATION SCENARIOS

EUROPE

Scenario	I	II	III	IV	V	VI
Period	Medium variant	Medium variant with zero migration	Constant total population	Constant age group 15-64	Ratio 15-64/65+ not less than 3.0	Constant ratio 15-64/65 years or older
<i>A. Average annual net migration (thousands)</i>						
1995-2000	950	0	854	0	0	5 844
2000-2005	757	0	1 063	0	0	12 410
2005-2010	535	0	1 046	293	0	1 868
2010-2015	458	0	1 150	3 642	0	17 234
2015-2020	377	0	1 478	4 696	0	24 901
2020-2025	305	0	1 879	4 847	0	29 817
2025-2030	265	0	2 199	4 316	15 049	30 837
2030-2035	265	0	2 371	3 511	11 725	30 110
2035-2040	265	0	2 519	3 489	8 922	34 504
2040-2045	265	0	2 665	3 530	6 020	38 863
2045-2050	265	0	2 803	3 945	5 293	50 841
Grand total 1995-2050	23 530	0	100 137	161 346	235 044	1 386 151
<i>B. Total population (thousands)</i>						
1995	727 912	727 912	727 912	727 912	727 912	727 912
2000	728 887	723 482	727 912	723 482	723 434	753 810
2005	727 431	717 671	727 912	717 671	717 649	814 445
2010	724 242	711 598	727 912	713 122	711 623	824 271
2015	719 307	704 660	727 912	725 305	704 731	913 174
2020	711 909	695 650	727 912	742 496	695 760	1 046 692
2025	702 335	684 055	727 912	759 766	684 189	1 212 912
2030	690 976	670 167	727 912	773 668	749 368	1 392 793
2035	677 745	654 730	727 912	783 008	802 725	1 576 523
2040	662 541	637 917	727 912	791 587	844 398	1 789 486
2045	645 648	619 792	727 912	799 739	871 749	2 032 569
2050	627 691	600 464	727 912	809 399	894 776	2 346 459
<i>C. Age group 15-64 (thousands)</i>						
1995	487 110	487 110	487 110	487 110	487 110	487 110
2000	494 102	492 142	495 287	492 142	492 222	513 673
2005	496 449	492 555	499 872	492 555	492 680	561 570
2010	496 671	491 475	503 224	492 555	491 630	572 861
2015	485 578	477 950	494 817	492 555	478 105	628 831
2020	469 838	459 414	482 880	492 555	459 554	712 731
2025	451 599	438 874	470 673	492 555	438 988	818 857
2030	432 691	418 796	460 324	492 555	474 437	935 364
2035	414 960	400 452	452 463	492 555	504 056	1 056 366
2040	397 473	381 771	444 939	492 555	526 638	1 196 976
2045	380 886	363 446	438 583	492 555	542 098	1 358 048
2050	364 277	345 100	432 959	492 555	556 871	1 564 343
<i>D. Potential support ratio 15-64/65 or older</i>						
1995	4.81	4.81	4.81	4.81	4.81	4.81
2000	4.60	4.65	4.67	4.65	4.66	4.81
2005	4.29	4.35	4.40	4.35	4.36	4.81
2010	4.24	4.30	4.38	4.31	4.31	4.81
2015	3.89	3.92	4.03	4.02	3.93	4.81
2020	3.47	3.46	3.60	3.66	3.47	4.81
2025	3.06	3.03	3.20	3.33	3.03	4.81
2030	2.73	2.70	2.90	3.08	3.00	4.81
2035	2.50	2.47	2.71	2.92	3.00	4.81
2040	2.34	2.30	2.56	2.81	3.00	4.81
2045	2.21	2.16	2.46	2.72	3.00	4.81
2050	2.11	2.04	2.38	2.62	3.00	4.81

TABLE A.18 (continued)

EUROPE						
Scenario	I	II	III	IV	V	VI
Period	Medium variant	Medium variant with zero migration	Constant total population	Constant age group 15-64	Ratio 15-64/65+ not less than 3.0	Constant ratio 15-64/65 years or older
<i>E. Age group 65 or older (thousands)</i>						
1995	101 338	101 338	101 338	101 338	101 338	101 338
2000	107 439	105 831	105 982	105 831	105 712	106 865
2005	115 588	113 249	113 639	113 249	113 117	116 829
2010	117 185	114 231	114 912	114 283	114 119	119 178
2015	124 910	121 798	122 842	122 522	121 730	130 822
2020	135 491	132 589	134 135	134 409	132 569	148 276
2025	147 524	144 774	147 081	147 993	144 801	170 355
2030	158 482	155 357	158 824	160 149	158 146	194 593
2035	165 668	162 033	167 217	168 622	168 019	219 766
2040	170 119	166 178	173 647	175 250	175 546	249 019
2045	172 046	168 008	178 182	180 882	180 699	282 528
2050	172 985	168 986	182 222	187 704	185 624	325 446
<i>F. Percentage in age group 65 or older</i>						
1995	13.9	13.9	13.9	13.9	13.9	13.9
2000	14.7	14.6	14.6	14.6	14.6	14.2
2005	15.9	15.8	15.6	15.8	15.8	14.3
2010	16.2	16.1	15.8	16.0	16.0	14.5
2015	17.4	17.3	16.9	16.9	17.3	14.3
2020	19.0	19.1	18.4	18.1	19.1	14.2
2025	21.0	21.2	20.2	19.5	21.2	14.0
2030	22.9	23.2	21.8	20.7	21.1	14.0
2035	24.4	24.7	23.0	21.5	20.9	13.9
2040	25.7	26.1	23.9	22.1	20.8	13.9
2045	26.6	27.1	24.5	22.6	20.7	13.9
2050	27.6	28.1	25.0	23.2	20.7	13.9
<i>G. Age group 0-14 (thousands)</i>						
1995	139 464	139 464	139 464	139 464	139 464	139 464
2000	127 346	125 509	126 643	125 509	125 500	133 272
2005	115 394	111 867	114 402	111 867	111 852	136 046
2010	110 386	105 892	109 776	106 284	105 873	132 231
2015	108 819	104 911	110 254	110 227	104 897	153 521
2020	106 579	103 647	110 897	115 532	103 636	185 685
2025	103 212	100 408	110 158	119 218	100 400	223 700
2030	99 803	96 015	108 765	120 963	116 785	262 836
2035	97 117	92 245	108 233	121 831	130 651	300 391
2040	94 948	89 968	109 326	123 782	142 215	343 491
2045	92 717	88 338	111 147	126 301	148 951	391 993
2050	90 430	86 378	112 731	129 140	152 282	456 670
<i>H. Potential support ratio in 2050, by age of entry into non-working-age population</i>						
Age						
65	2.11	2.04	2.38	2.62	3.00	4.81
70	3.13	3.04	3.53	3.93	4.38	7.36
75	4.88	4.77	5.53	6.15	6.75	11.94
80	8.36	8.18	9.52	10.52	11.49	21.44

NOTE: The six scenarios can be described briefly as follows:

I – Corresponds to the medium variant of the official United Nations population projections (*World Population Prospects, 1998 Revision*).

II – This scenario amends the medium variant by assuming no migration after 1995.

III – This scenario keeps the total population figure constant at the highest level that it would reach in the absence of migration after 1995.

IV – This scenario keeps the number of persons aged 15-64 constant at the highest level that it would reach in the absence of migration after 1995.

V – This scenario prevents the ratio of persons aged 15-64 to persons aged 65 and above from falling below 3.0.

VI – This scenario keeps the ratio of persons aged 15-64 and above at the highest level that it would reach in the absence of migration after 1995.

This scenario is considered to be demographically unrealistic.

